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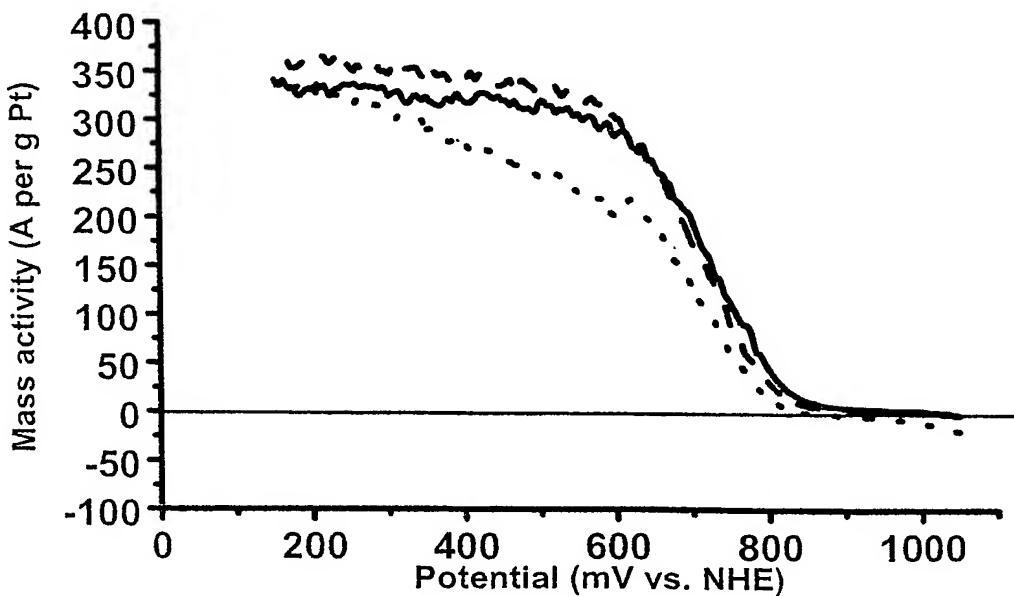
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(54) Title: NANO-STRUCTURED METAL-CARBON COMPOSITE FOR ELECTRODE CATALYST OF FUEL CELL AND PROCESS FOR PREPARATION THEREOF



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(57) Abstract: The present invention relates to a nano-structured metal-carbon composite and applications thereof, and more specifically, to a nano-structured metal-carbon composite obtained by consecutively impregnating a transition metal precursor and a carbon precursor in a nano frame and reacting the precursors at high temperature. In the metal-carbon composite of the present invention, metal is orderly polydispersed with less than 1 nanometer within a mesoporous carbon, and metal is chemically combined with carbon. Therefore, the metal-carbon composite is useful for electrocatalyst of fuel cells.